

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099473.D
 Acq On : 1 May 2019 21:23
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 02 07:43:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2912	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	12501	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	9493	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	25722	0.40	ng	0.00
27) Chrysene-d12	21.37	240	28962	0.40	ng	0.00
34) Perylene-d12	23.86	264	32622	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	3424	0.43	ng	0.00
5) Phenol-d6	6.96	99	5238	0.49	ng	-0.01
8) Nitrobenzene-d5	8.96	82	4692	0.40	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	9174	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.93	330	2260	0.38	ng	-0.01
15) 2-Fluorobiphenyl	13.07	172	14645	0.40	ng	-0.01
25) Fluoranthene-d10	19.22	212	124042	0.36	ng	0.00
29) Terphenyl-d14	19.81	244	25338	0.48	ng	0.00

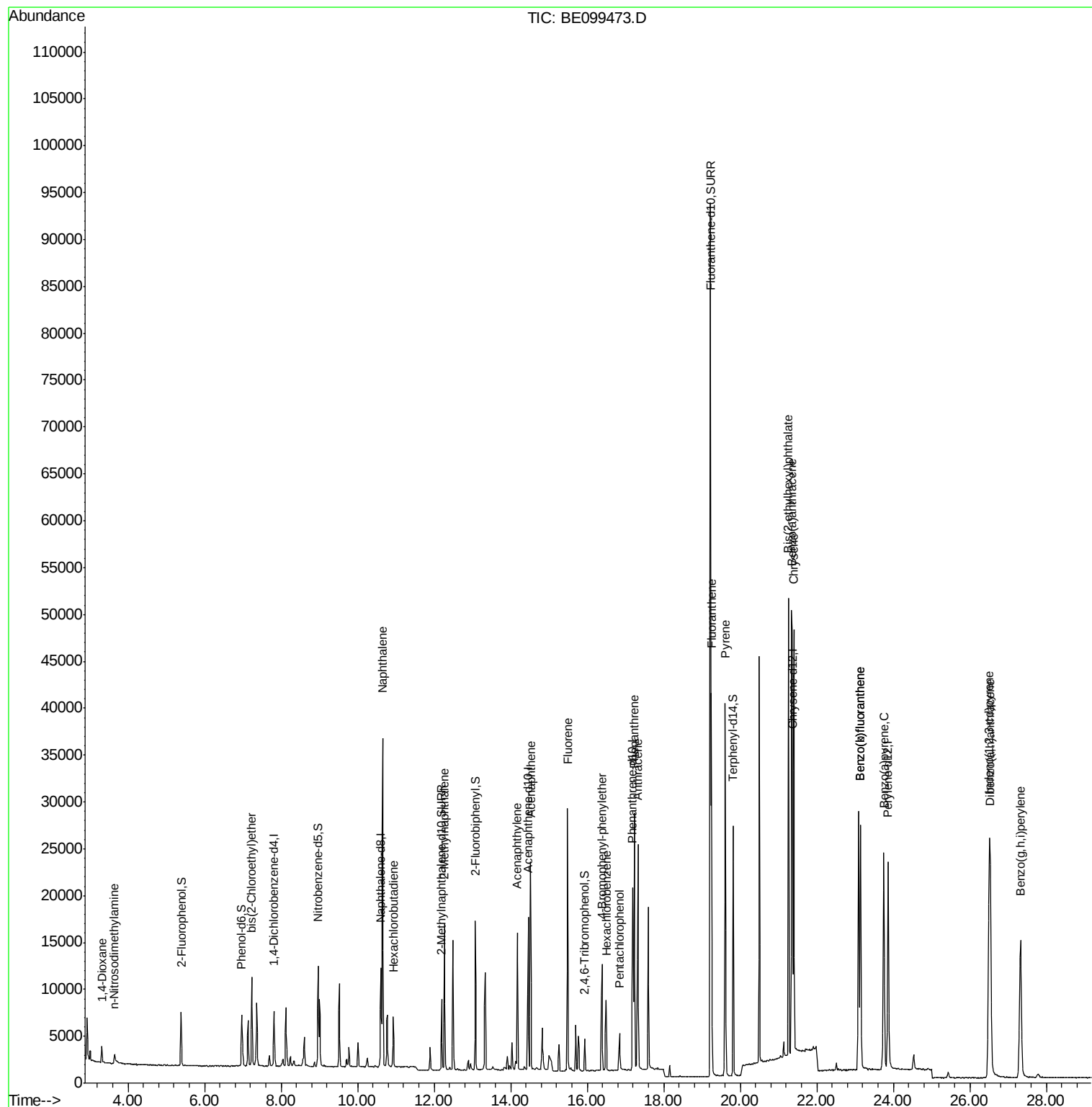
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	1384	0.345	ng	93
3) n-Nitrosodimethylamine	3.64	42	907	0.376	ng	# 95
6) bis(2-Chloroethyl)ether	7.23	93	3755	0.406	ng	99
9) Naphthalene	10.65	128	55517	0.408	ng	100
10) Hexachlorobutadiene	10.93	225	3697	0.390	ng	99
12) 2-Methylnaphthalene	12.27	142	10187	0.430	ng	94
16) Acenaphthylene	14.17	152	18869	0.406	ng	99
17) Acenaphthene	14.52	154	10812	0.408	ng	98
18) Fluorene	15.49	166	15525	0.397	ng	99
20) 4-Bromophenyl-phenylether	16.38	248	6287	0.420	ng	# 90
21) Hexachlorobenzene	16.49	284	6142	0.430	ng	98
22) Pentachlorophenol	16.84	266	2416	0.497	ng	99
23) Phenanthrene	17.23	178	26617	0.401	ng	99
24) Anthracene	17.32	178	25013	0.395	ng	99
26) Fluoranthene	19.25	202	36173	0.364	ng	99
28) Pyrene	19.61	202	37439	0.496	ng	100
30) Benzo(a)anthracene	21.34	228	41130	0.446	ng	98
31) Chrysene	21.40	228	39711	0.440	ng	98
32) Bis(2-ethylhexyl)phthalate	21.26	149	60721	0.395	ng	100
33) Indeno(1,2,3-cd)pyrene	26.51	276	46430	0.435	ng	98
35) Benzo(b)fluoranthene	23.14	252	38252	0.407	ng	99
36) Benzo(k)fluoranthene	23.14	252	38252	0.422	ng	99
37) Benzo(a)pyrene	23.75	252	37677	0.424	ng	# 97
38) Dibenzo(a,h)anthracene	26.54	278	38093	0.419	ng	99
39) Benzo(g,h,i)perylene	27.33	276	38175	0.419	ng	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 02 07:43:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

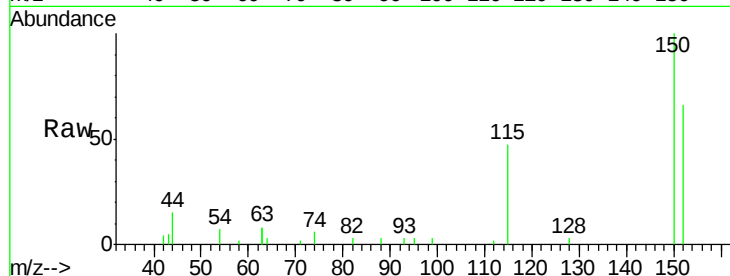
Tot Ion:152 Resp: 2912

Ion Ratio Lower Upper

152 100

150 150.9 104.8 157.2

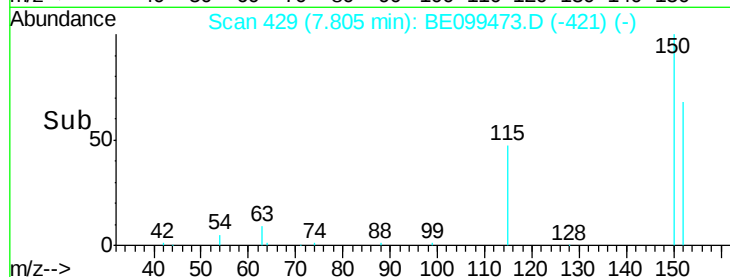
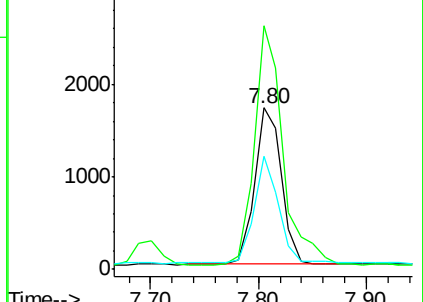
115 70.4 46.6 69.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.345 ng

RT: 3.31 min Scan# 39

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

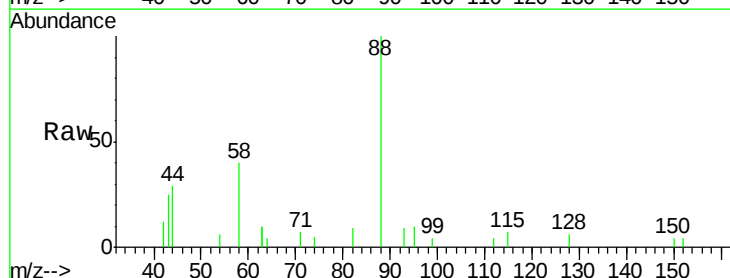
Tgt Ion: 88 Resp: 1384

Ion Ratio Lower Upper

88 100

58 57.6 51.0 76.6

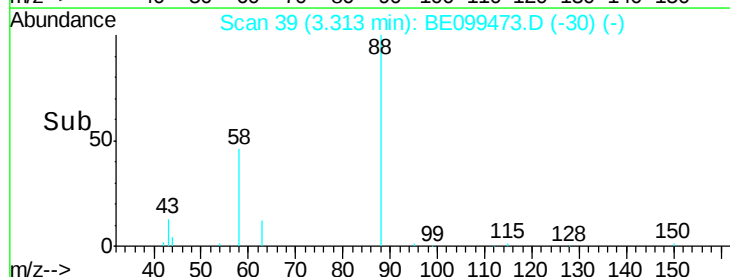
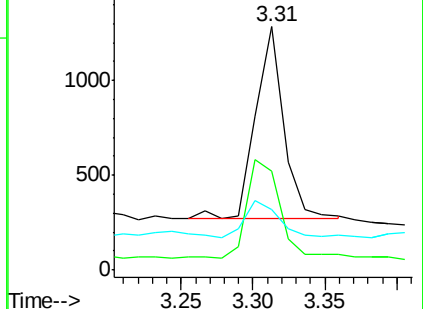
43 23.0 20.6 30.8



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



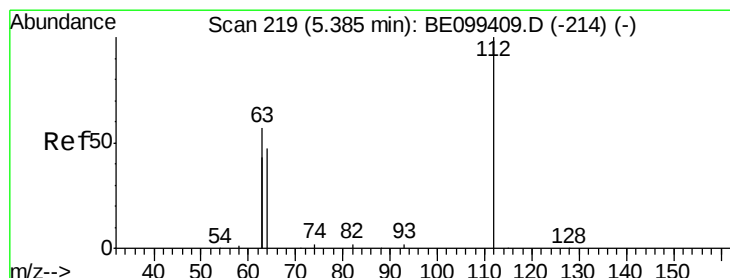
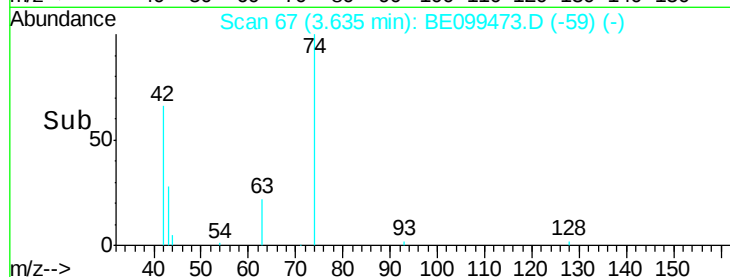
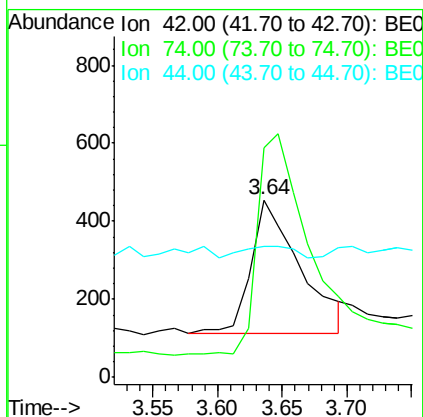
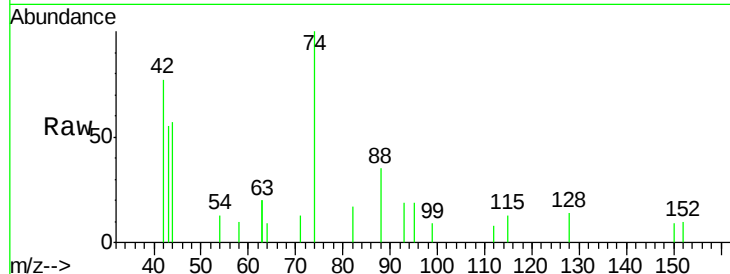


#3

n-Nitrosodimethylamine
 Concen: 0.376 ng
 RT: 3.64 min Scan# 67
 Delta R.T. -0.01 min
 Lab File: BE099473.D
 Acq: 1 May 2019 21:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

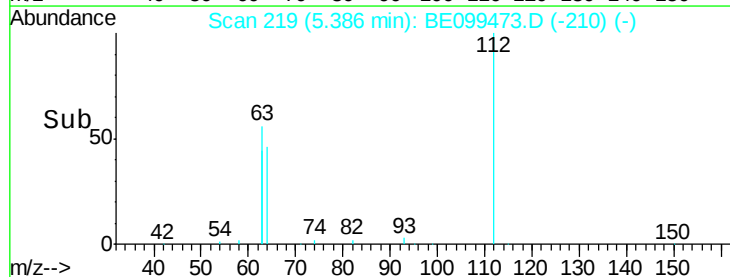
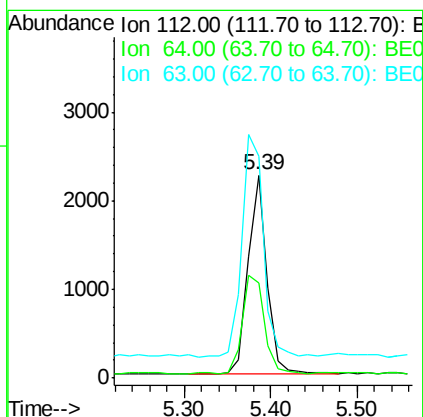
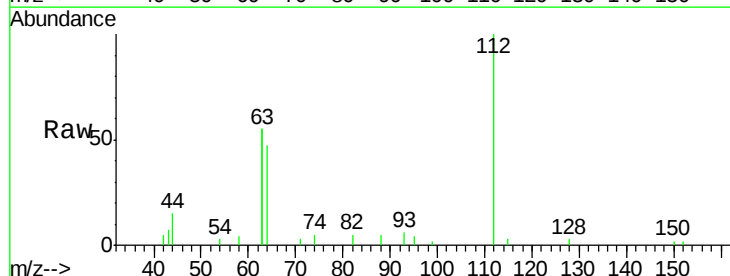
Tot Ion: 42 Resp: 907
 Ion Ratio Lower Upper
 42 100
 74 170.5 141.6 212.4
 44 9.0 0.0 0.0#

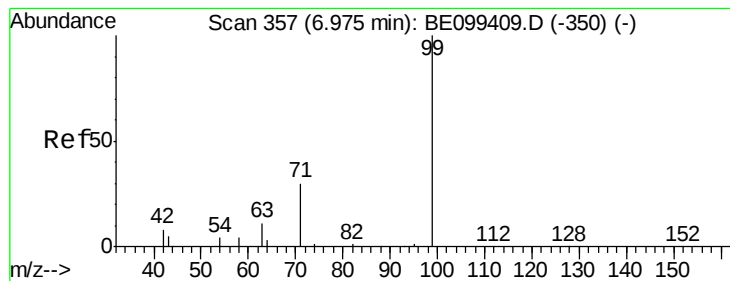


#4

2-Fluorophenol
 Concen: 0.425 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099473.D
 Acq: 1 May 2019 21:23

Tgt Ion: 112 Resp: 3424
 Ion Ratio Lower Upper
 112 100
 64 56.6 47.4 71.0
 63 129.0 104.3 156.5





#5

Phenol-d6

Concen: 0.489 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

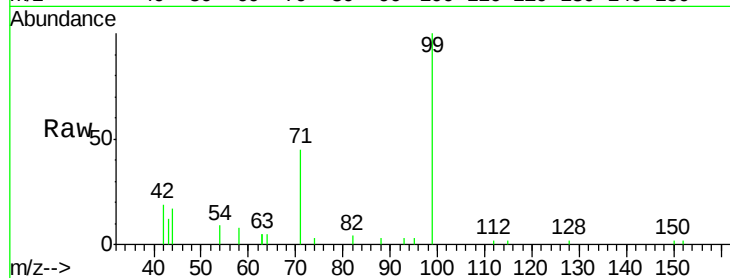
Tot Ion: 99 Resp: 5238

Ion Ratio Lower Upper

99 100

42 15.9 14.9 22.3

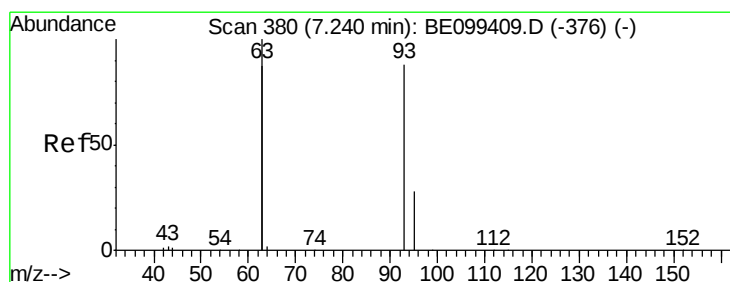
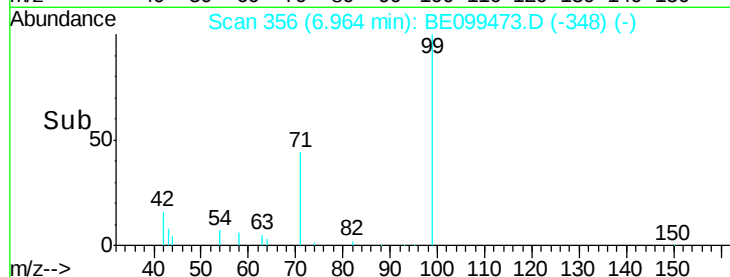
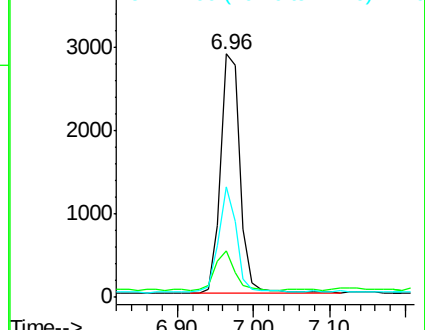
71 40.2 33.0 49.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.406 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

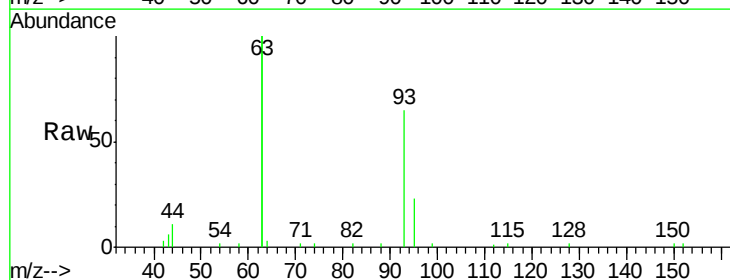
Tgt Ion: 93 Resp: 3755

Ion Ratio Lower Upper

93 100

63 272.5 215.6 323.4

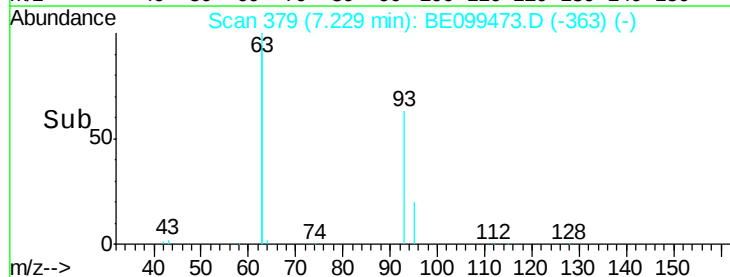
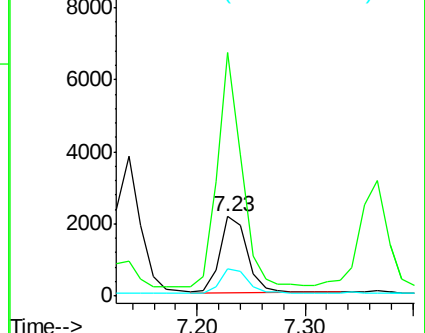
95 32.9 26.2 39.2



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 12501

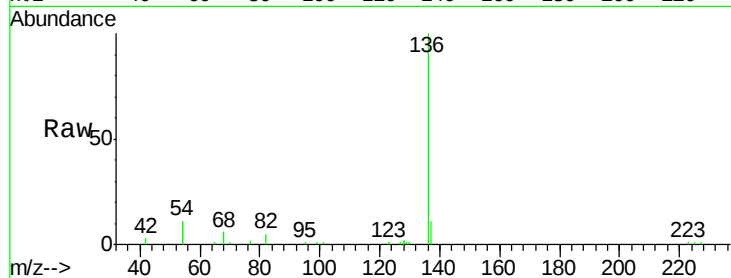
Ion Ratio Lower Upper

136 100

137 11.3 9.8 14.8

54 22.4 18.5 27.7

68 5.7 4.7 7.1

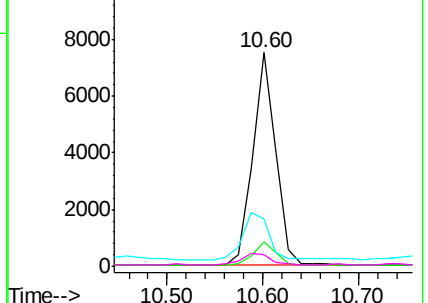
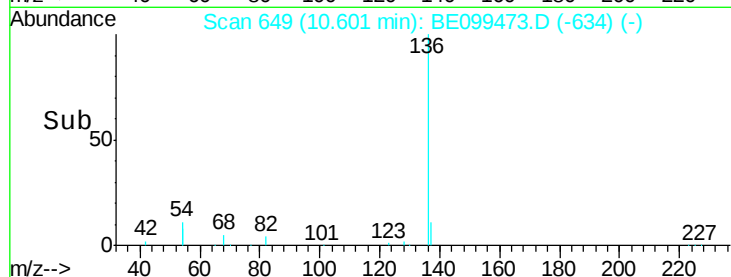


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.400 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

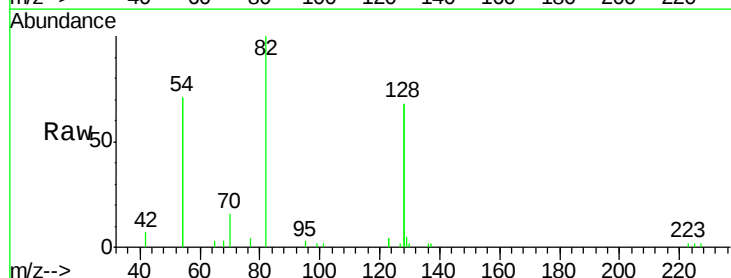
Tgt Ion: 82 Resp: 4692

Ion Ratio Lower Upper

82 100

128 135.6 107.0 160.4

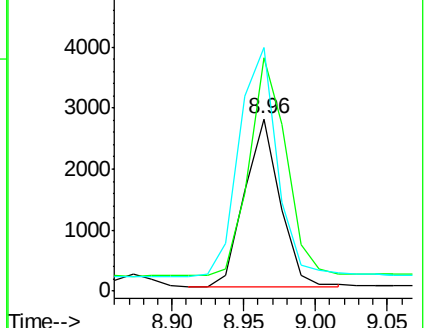
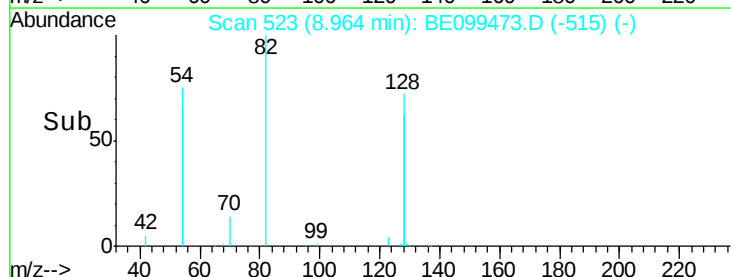
54 141.3 113.1 169.7

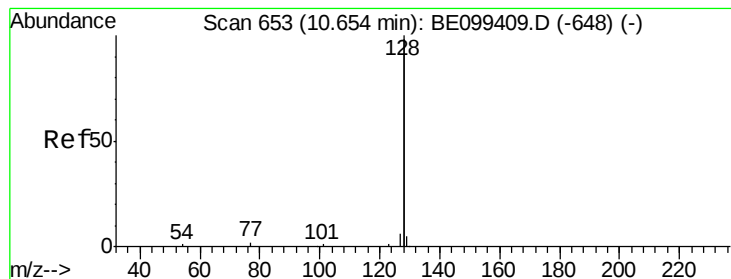


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.408 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

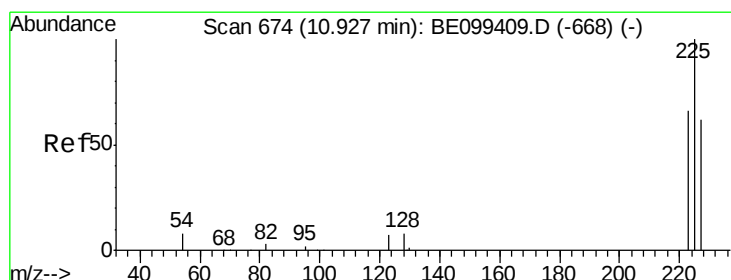
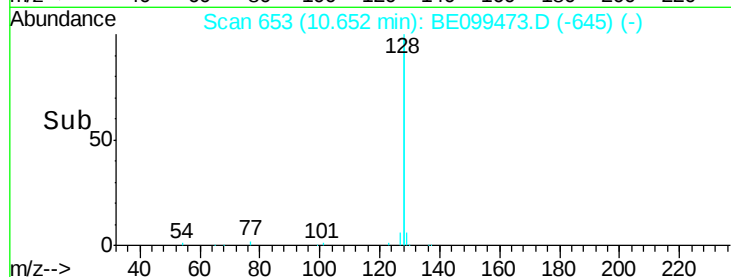
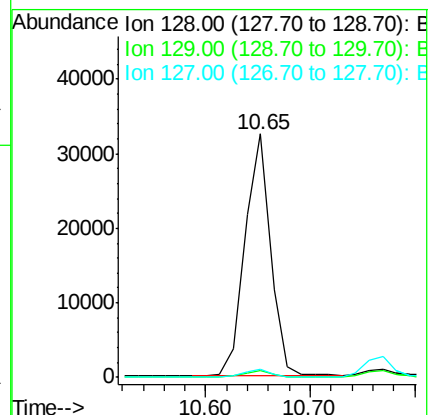
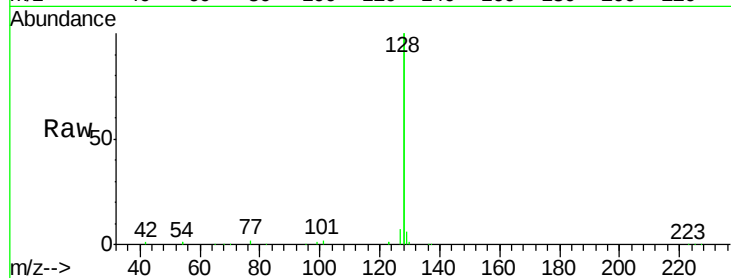
Tot Ion:128 Resp: 55517

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

127 3.3 2.8 4.2



#10

Hexachlorobutadiene

Concen: 0.390 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

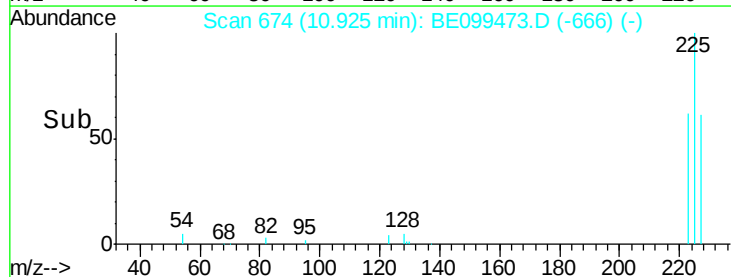
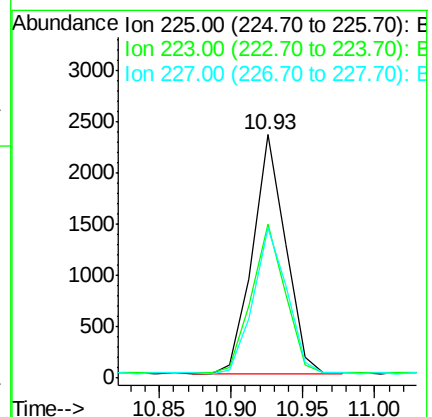
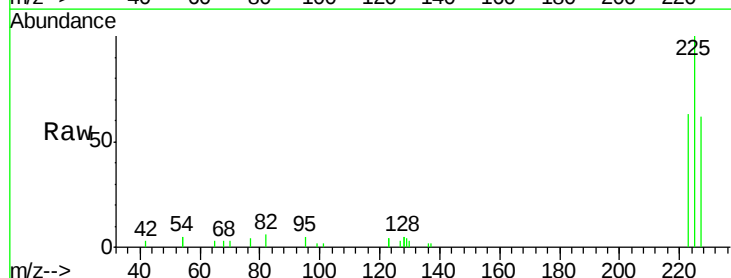
Tgt Ion:225 Resp: 3697

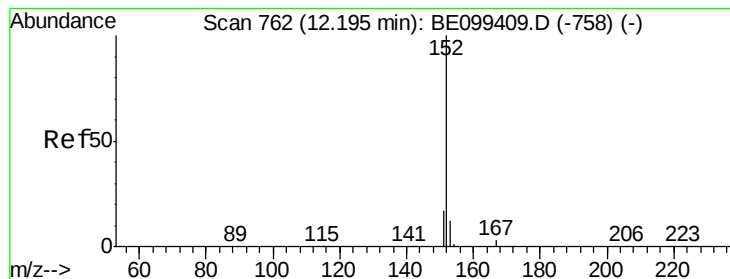
Ion Ratio Lower Upper

225 100

223 63.3 51.0 76.6

227 62.0 50.9 76.3





#11

2-Methylnaphthalene-d10

Concen: 0.407 ng

RT: 12.20 min Scan# 762

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

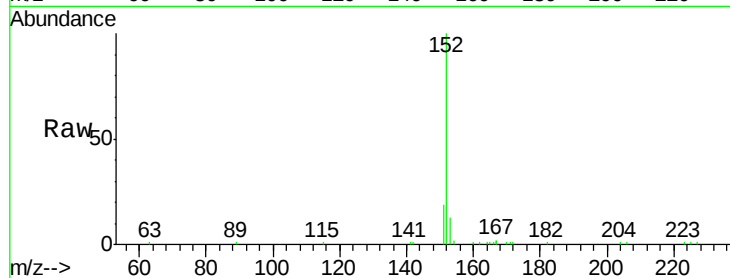
SSTDCCC0.4

Tot Ion:152 Resp: 9174

Ion Ratio Lower Upper

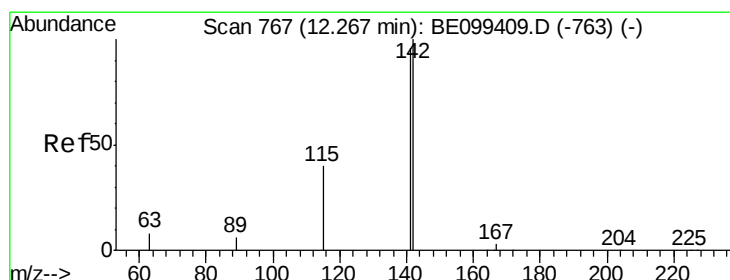
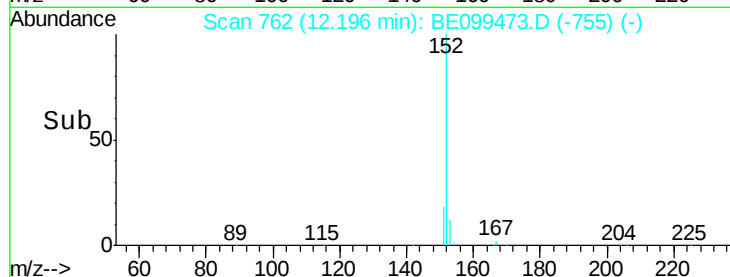
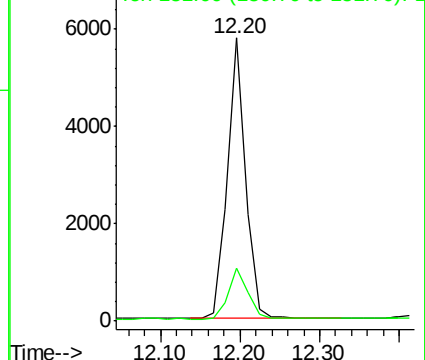
152 100

151 19.6 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.430 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

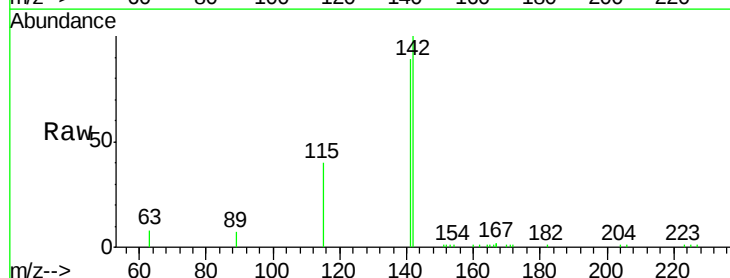
Tgt Ion:142 Resp: 10187

Ion Ratio Lower Upper

142 100

141 88.5 77.0 115.4

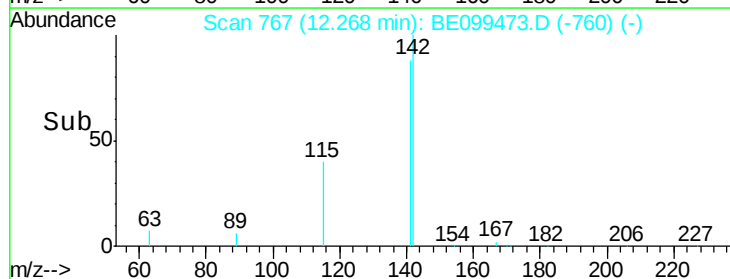
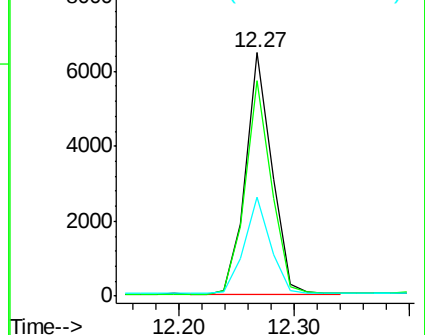
115 40.4 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

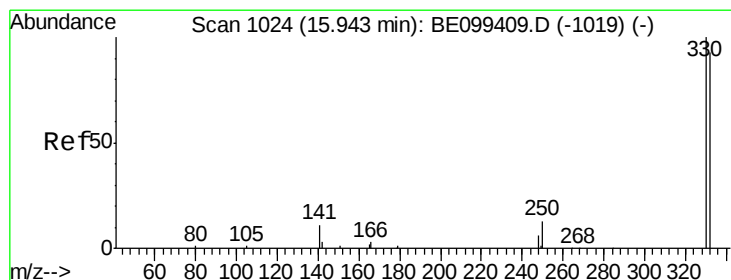
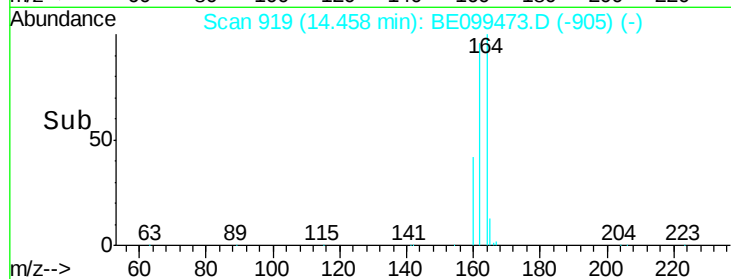
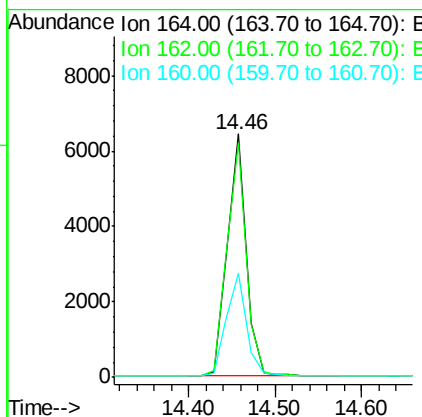
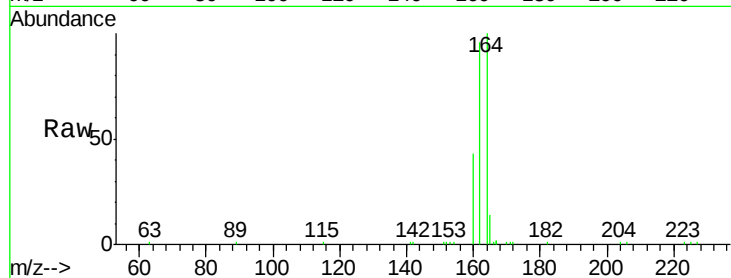




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

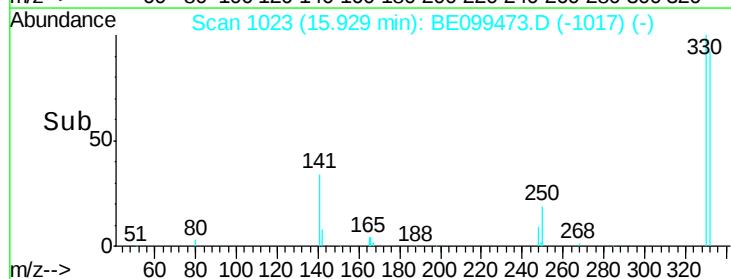
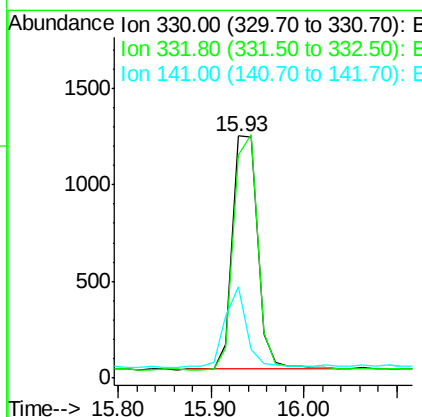
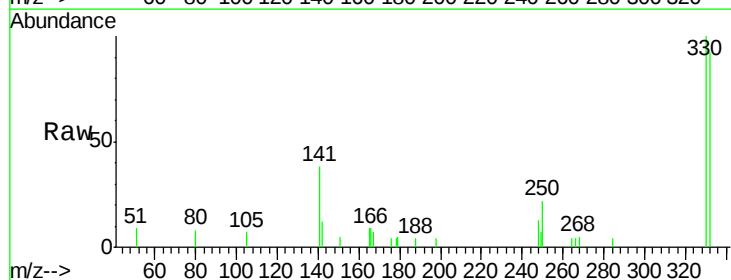
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

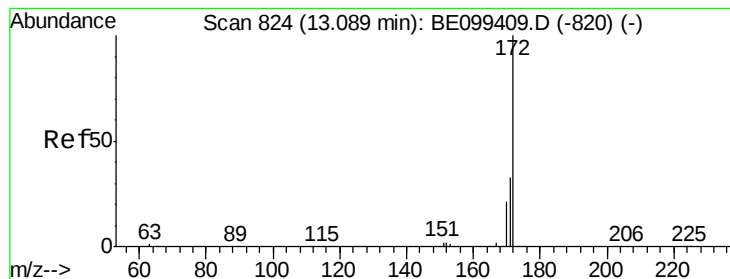
Tot Ion:164 Resp: 9493
Ion Ratio Lower Upper
164 100
162 96.3 79.0 118.4
160 42.7 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.93 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

Tgt Ion:330 Resp: 2260
Ion Ratio Lower Upper
330 100
332 96.8 71.5 107.3
141 28.8 24.0 36.0

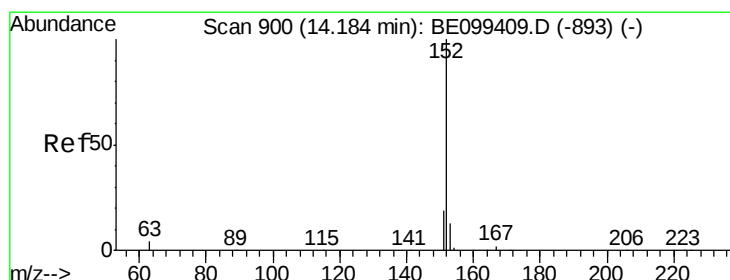
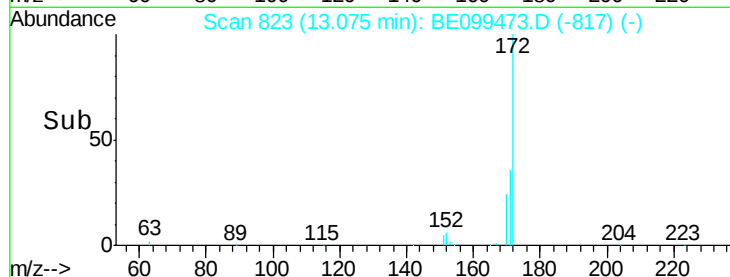
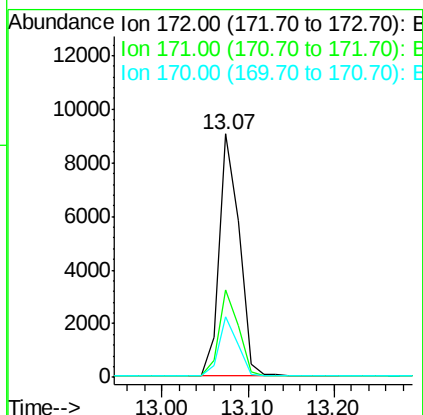
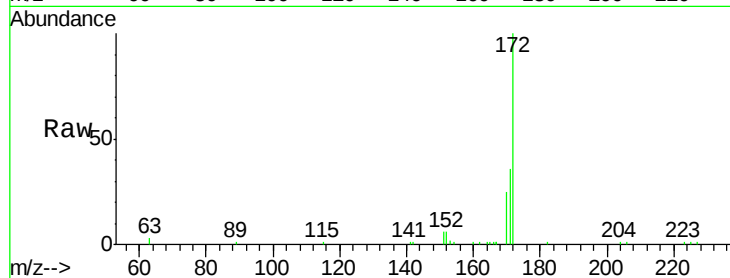




#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

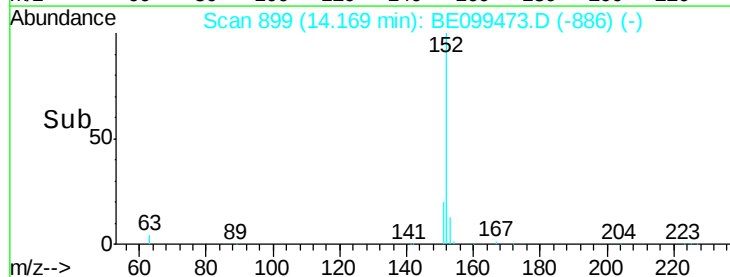
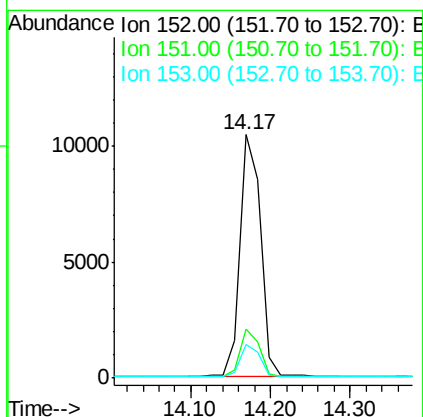
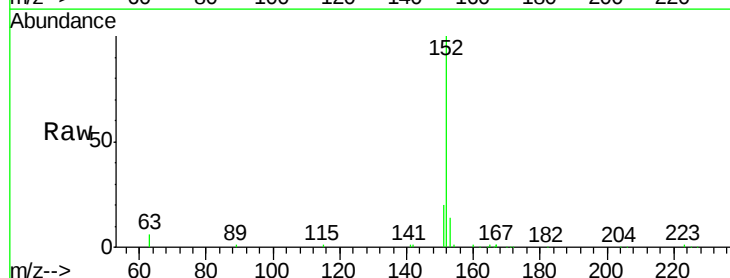
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

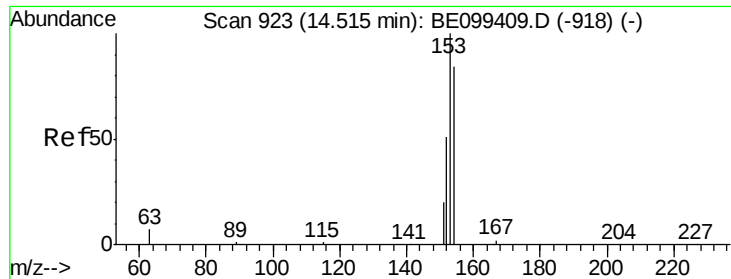
Tot Ion:172 Resp: 14645
Ion Ratio Lower Upper
172 100
171 36.1 26.6 39.8
170 24.7 17.0 25.6



#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

Tgt Ion:152 Resp: 18869
Ion Ratio Lower Upper
152 100
151 18.9 15.4 23.2
153 13.0 9.8 14.6

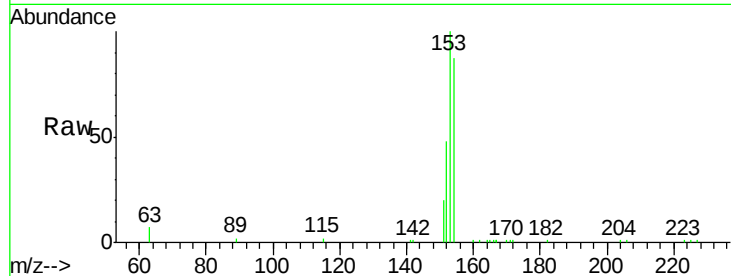




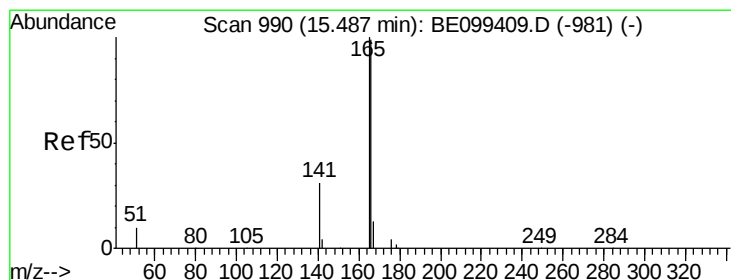
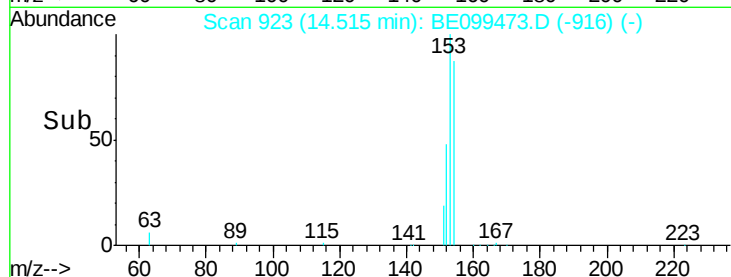
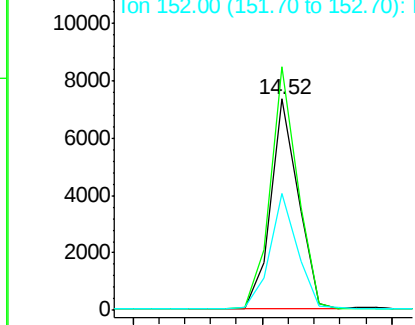
#17
Acenaphthene
Concen: 0.408 ng
RT: 14.52 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:154 Resp: 10812
Ion Ratio Lower Upper
154 100
153 113.8 92.6 138.8
152 55.0 45.8 68.8

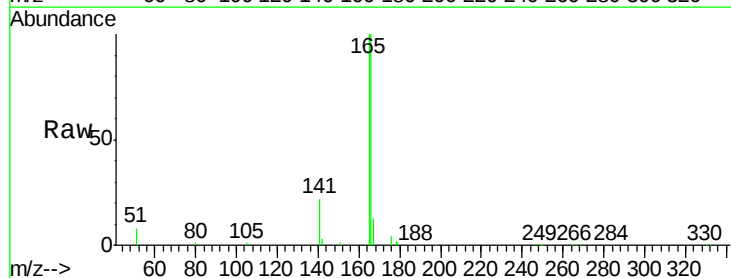


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

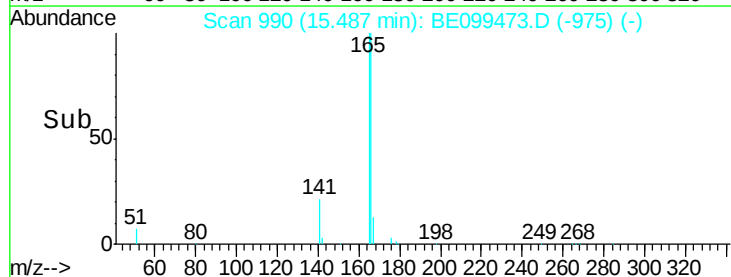
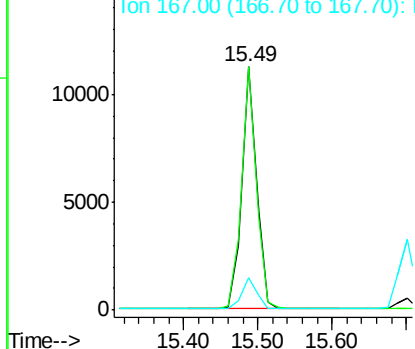


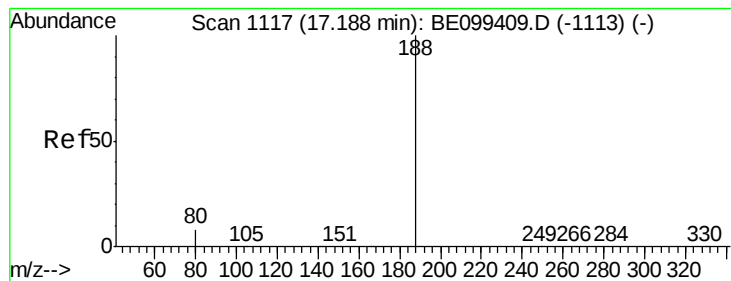
#18
Fluorene
Concen: 0.397 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

Tgt Ion:166 Resp: 15525
Ion Ratio Lower Upper
166 100
165 99.4 80.3 120.5
167 13.5 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

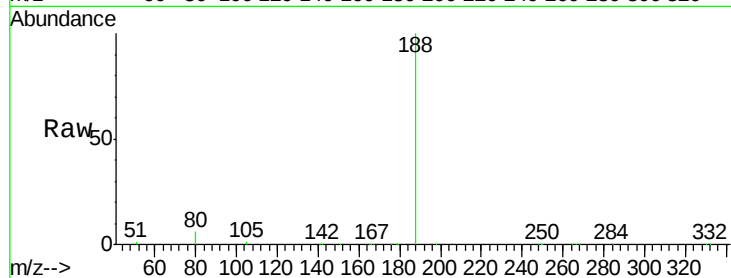
Tot Ion:188 Resp: 25722

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

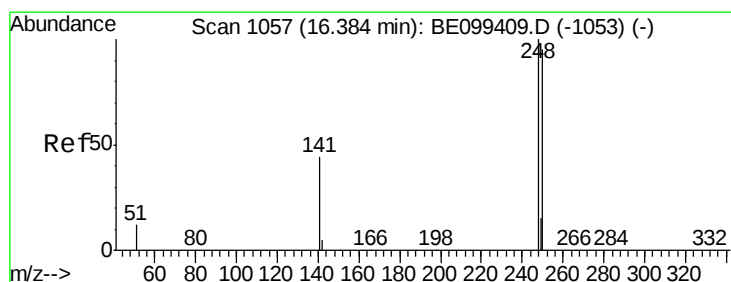
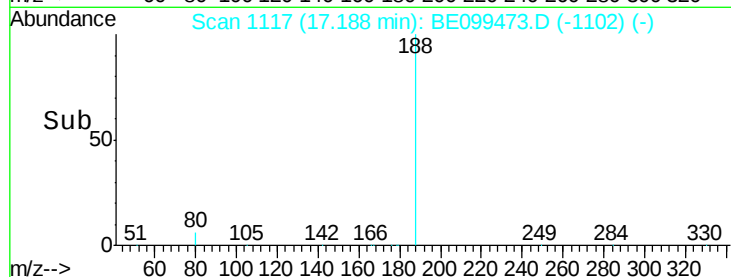
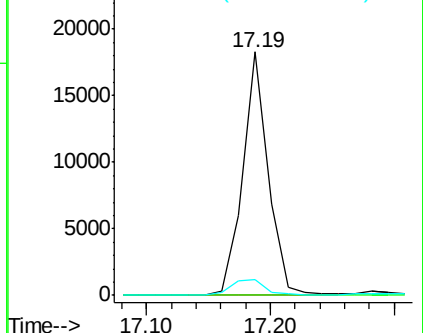
80 6.4 6.7 10.1#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.420 ng

RT: 16.38 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

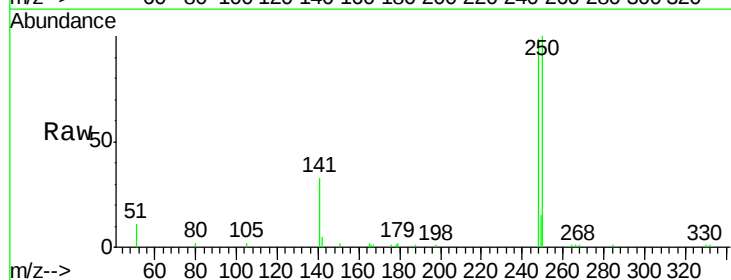
Tgt Ion:248 Resp: 6287

Ion Ratio Lower Upper

248 100

250 101.1 75.8 113.8

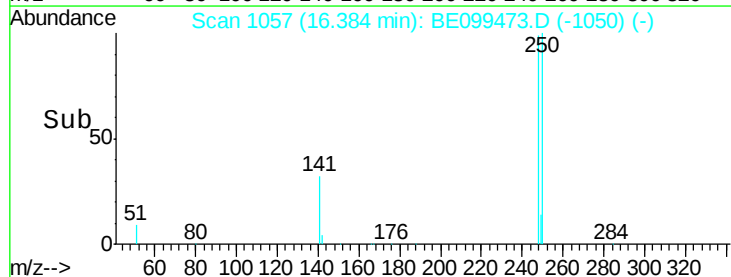
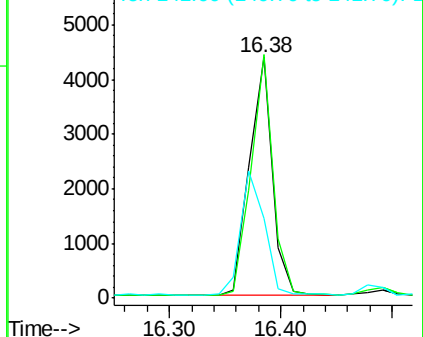
141 33.3 35.7 53.5#

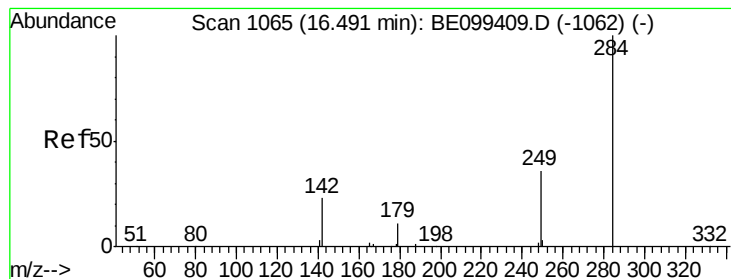


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.430 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

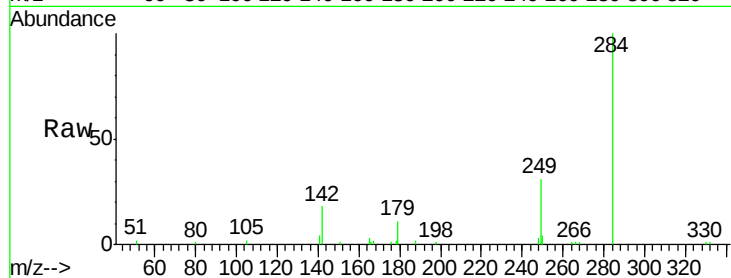
Tot Ion:284 Resp: 6142

Ion Ratio Lower Upper

284 100

142 26.3 21.0 31.6

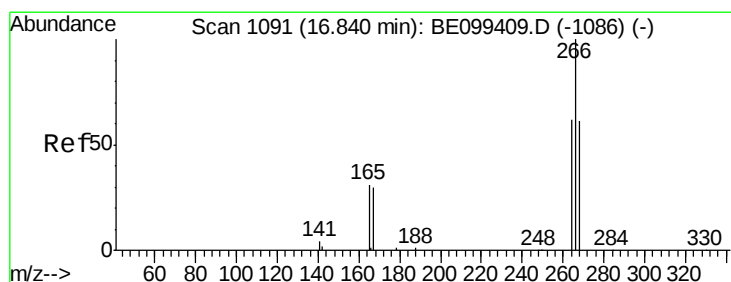
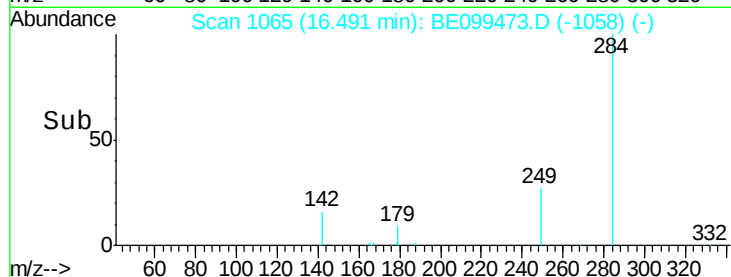
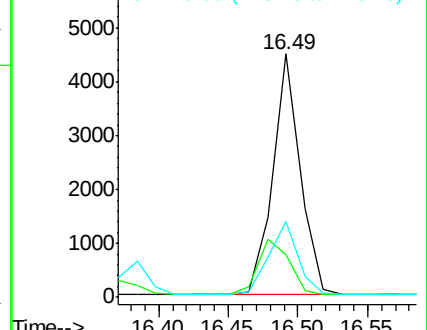
249 31.9 26.7 40.1



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.497 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

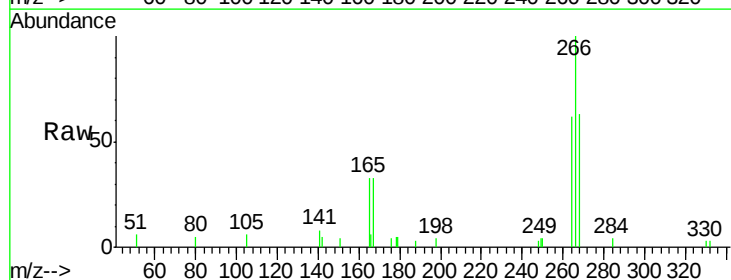
Tgt Ion:266 Resp: 2416

Ion Ratio Lower Upper

266 100

264 62.2 50.8 76.2

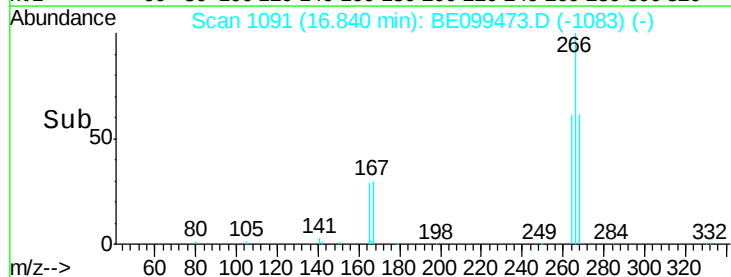
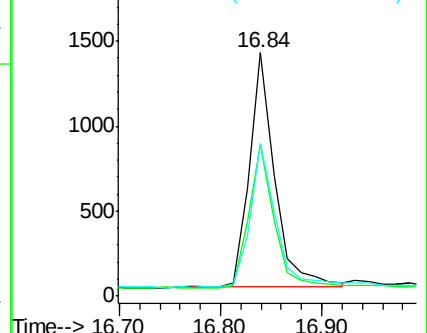
268 62.8 50.5 75.7

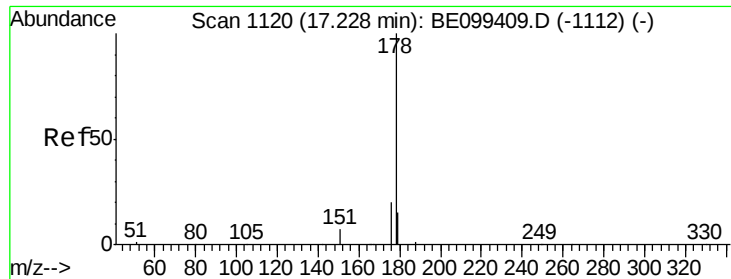


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.401 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

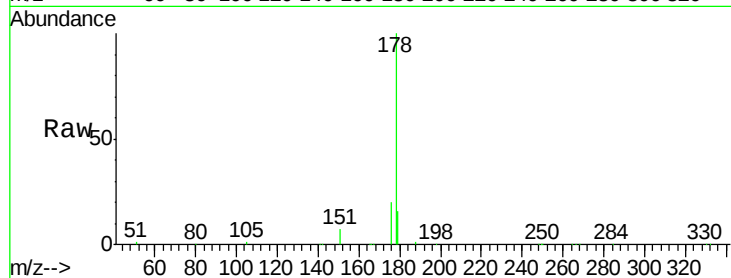
Tot Ion:178 Resp: 26617

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

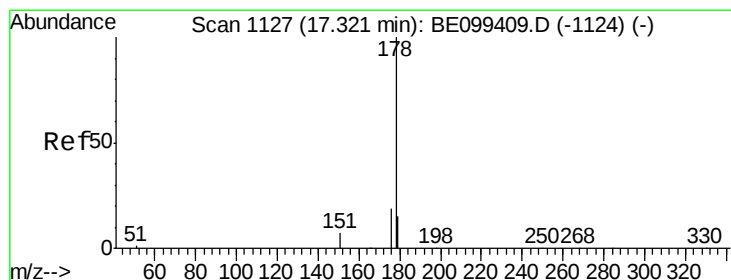
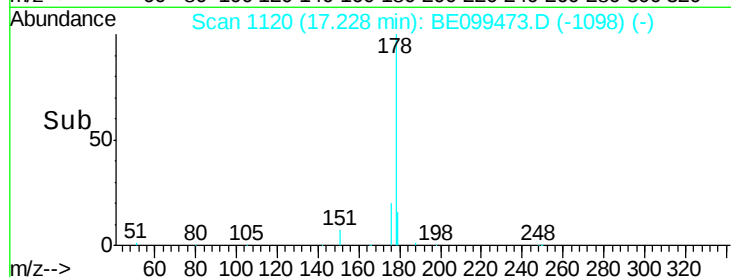
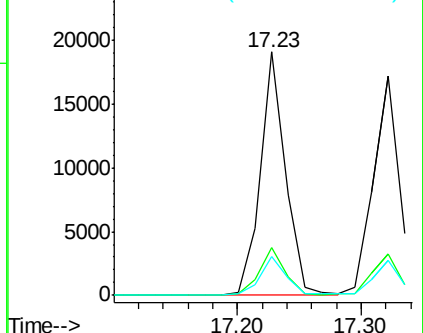
179 15.8 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.395 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

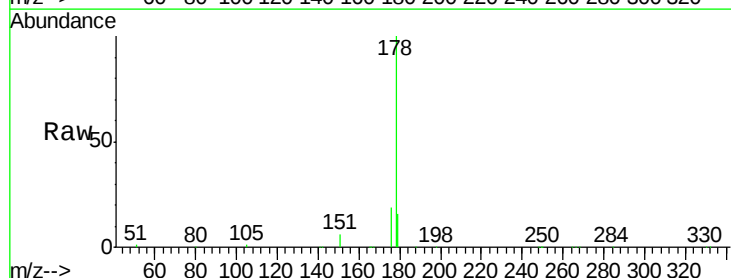
Tgt Ion:178 Resp: 25013

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

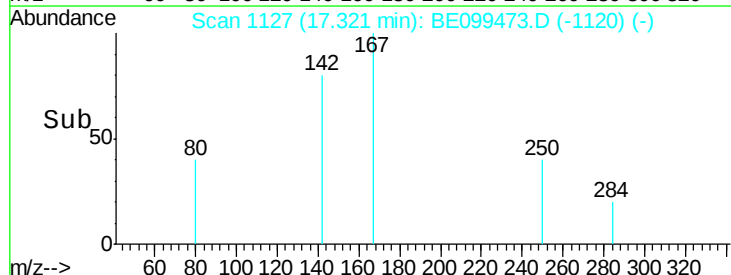
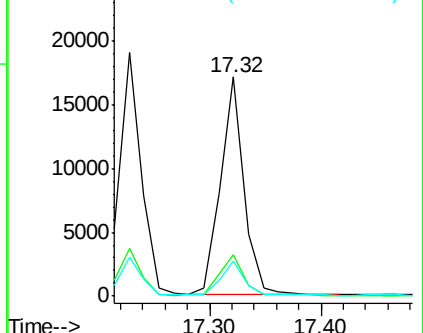
179 15.5 11.9 17.9

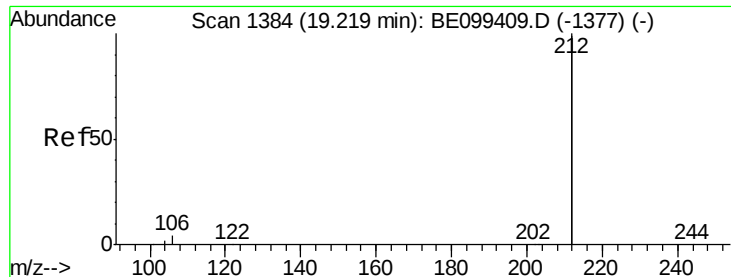


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

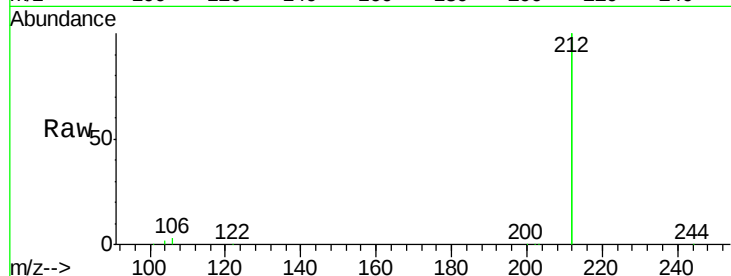
Tot Ion:212 Resp: 124042

Ion Ratio Lower Upper

212 100

106 1.9 1.5 2.3

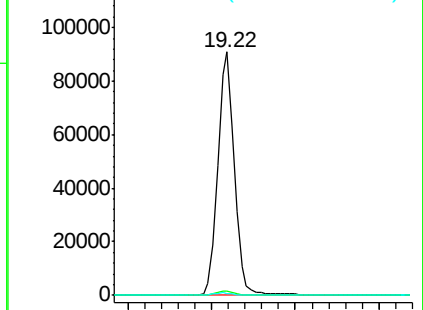
104 1.1 0.9 1.3



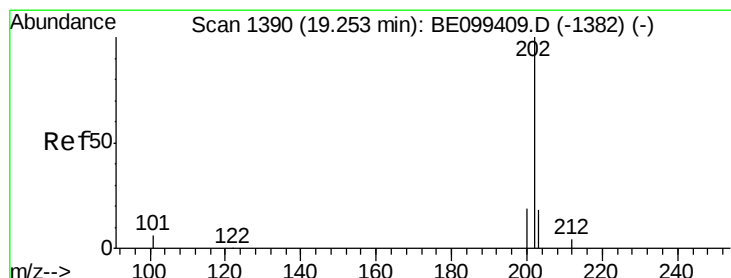
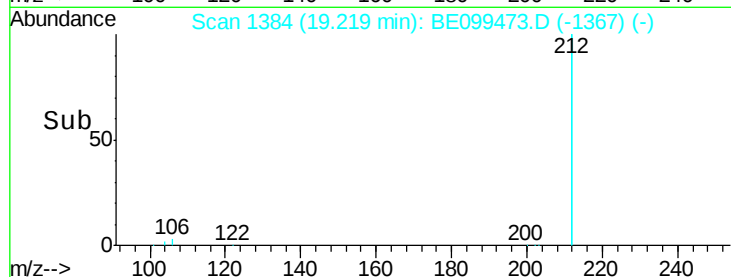
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.364 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

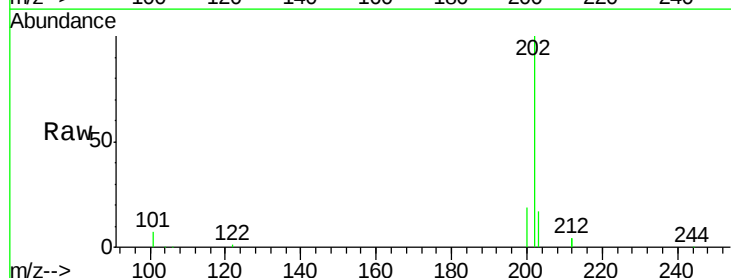
Tgt Ion:202 Resp: 36173

Ion Ratio Lower Upper

202 100

101 6.9 5.4 8.0

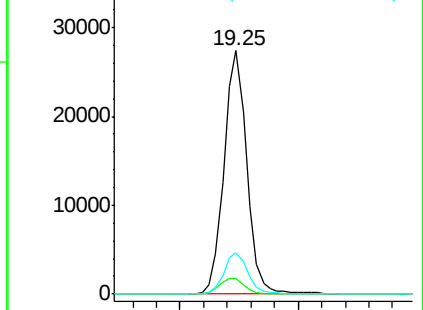
203 17.1 13.9 20.9



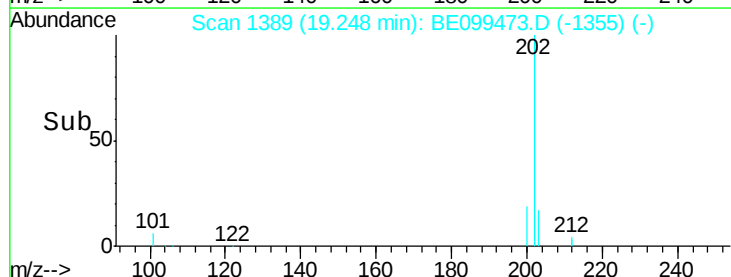
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

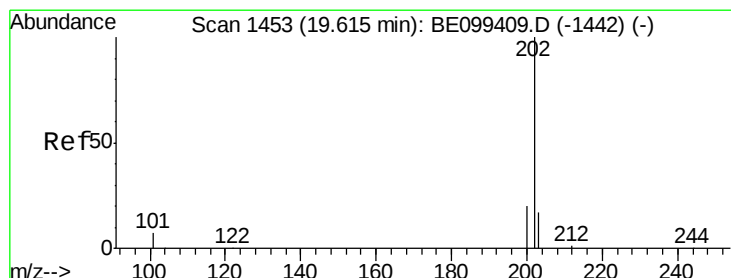
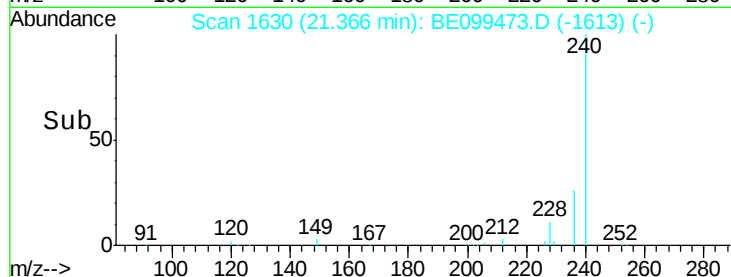
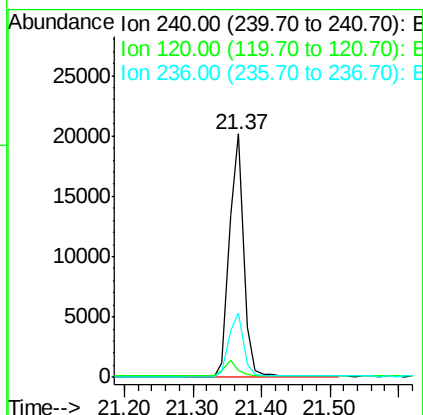
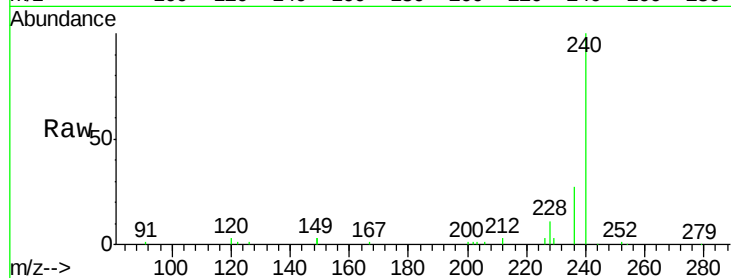




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

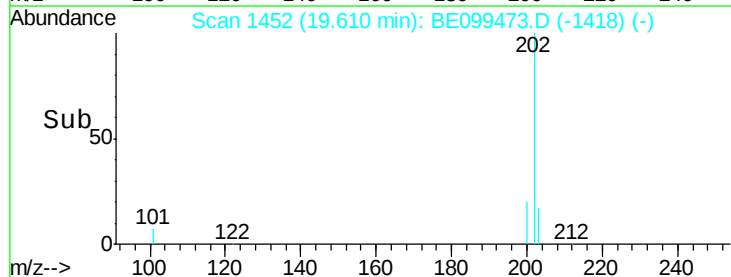
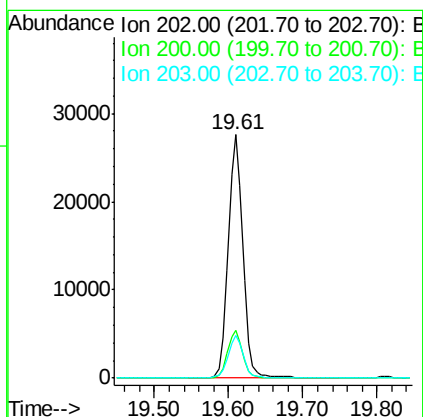
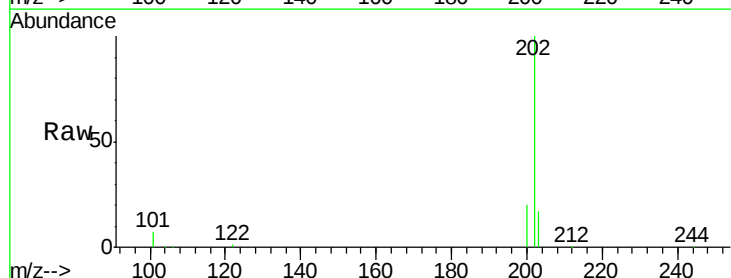
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

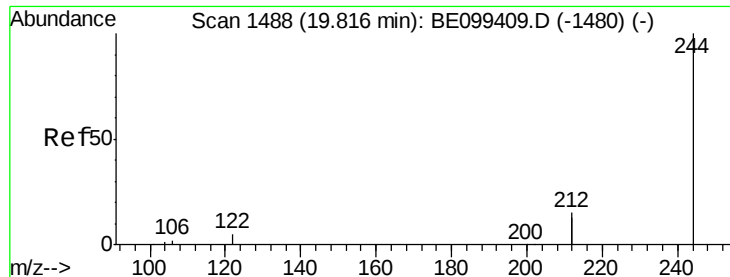
Tot Ion:240 Resp: 28962
Ion Ratio Lower Upper
240 100
120 2.8 4.0 6.0#
236 26.7 22.0 33.0



#28
Pyrene
Concen: 0.496 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

Tgt Ion:202 Resp: 37439
Ion Ratio Lower Upper
202 100
200 19.6 15.7 23.5
203 17.6 13.9 20.9





#29

Terphenyl-d14

Concen: 0.478 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

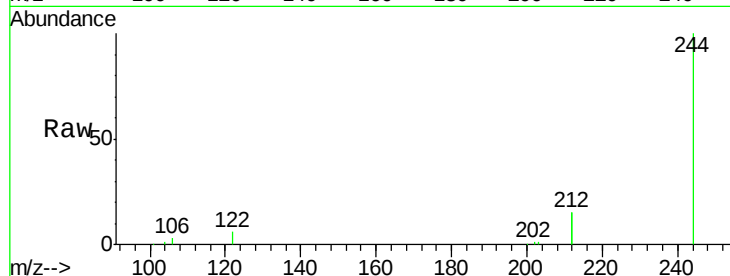
Tot Ion:244 Resp: 25338

Ion Ratio Lower Upper

244 100

212 29.8 23.2 34.8

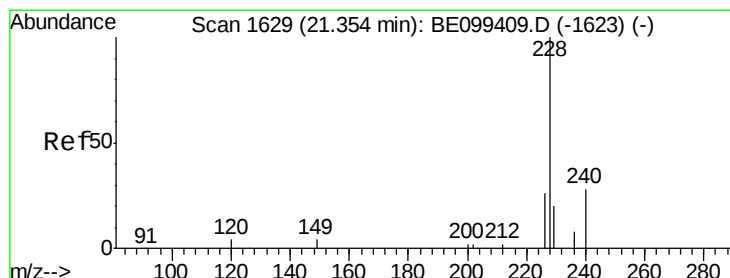
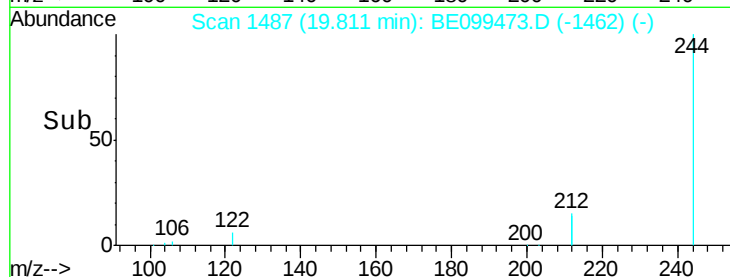
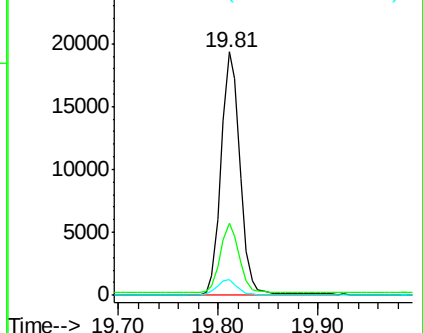
122 6.4 4.2 6.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.446 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

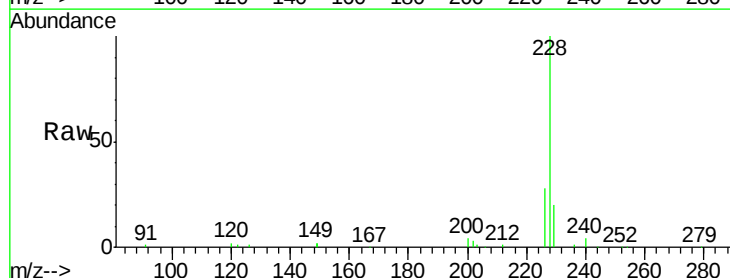
Tgt Ion:228 Resp: 41130

Ion Ratio Lower Upper

228 100

226 27.7 21.0 31.6

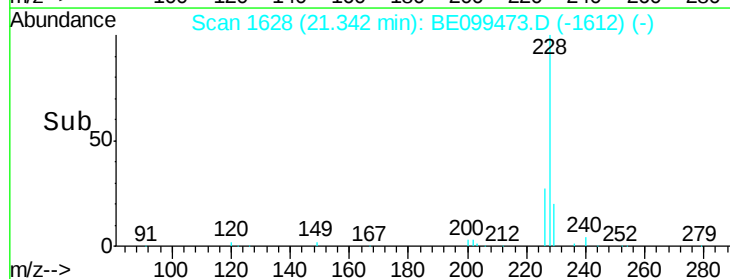
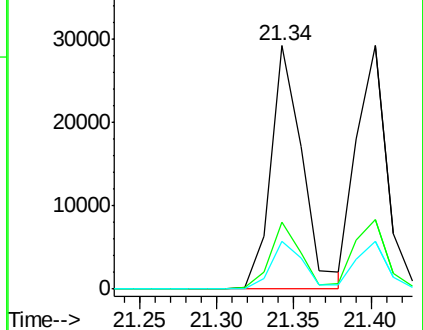
229 19.8 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.440 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

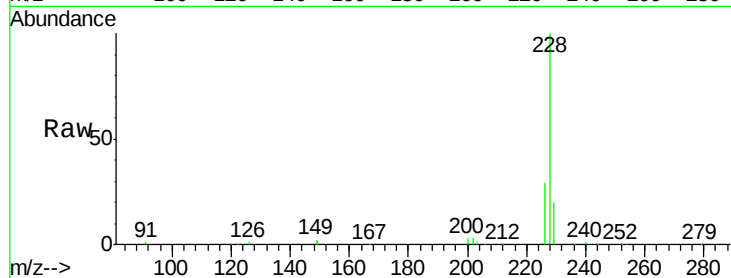
Tot Ion:228 Resp: 39711

Ion Ratio Lower Upper

228 100

226 28.7 24.0 36.0

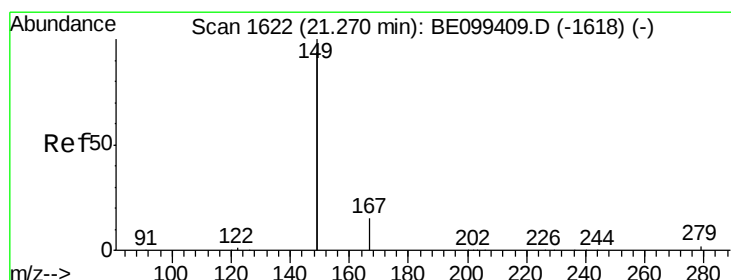
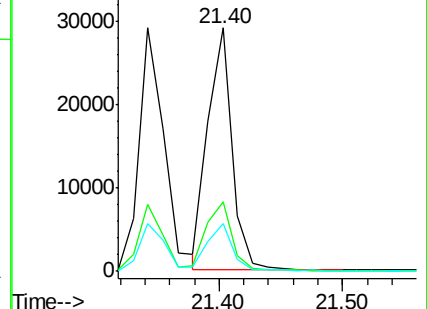
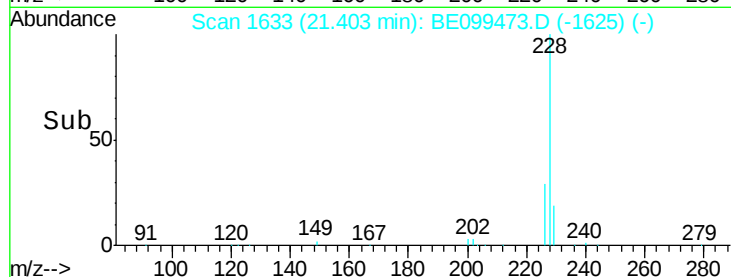
229 19.5 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.395 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

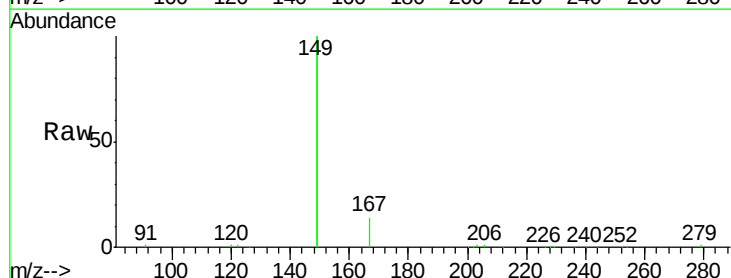
Tgt Ion:149 Resp: 60721

Ion Ratio Lower Upper

149 100

167 7.4 5.8 8.6

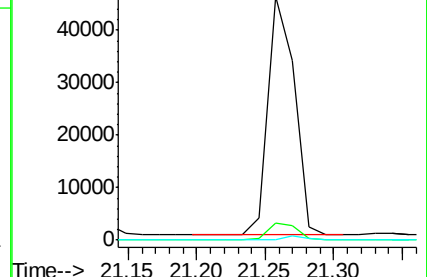
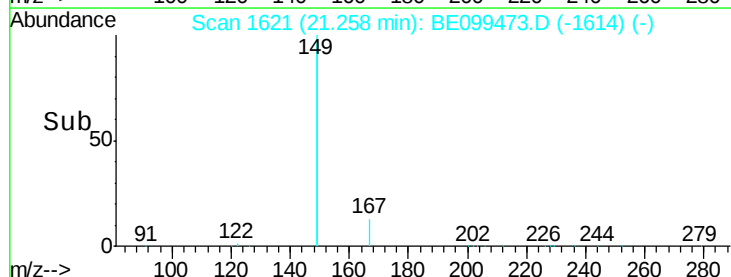
279 1.5 1.0 1.6

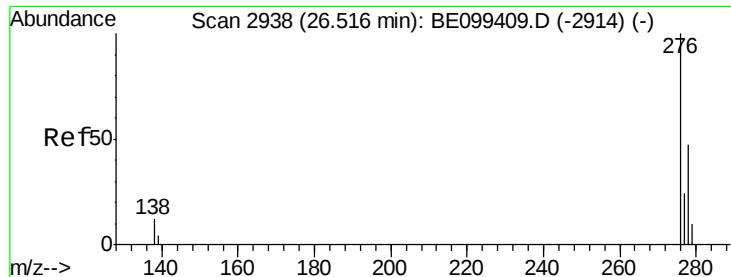


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.435 ng

RT: 26.51 min Scan# 2936

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

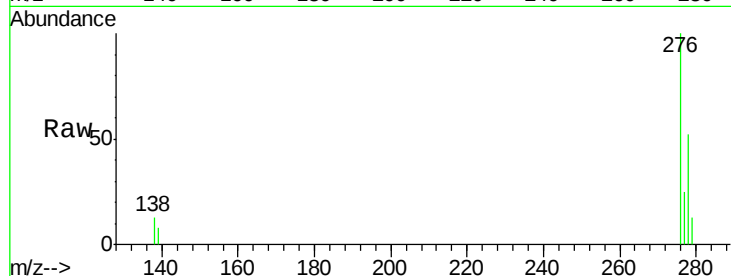
Tot Ion:276 Resp: 46430

Ion Ratio Lower Upper

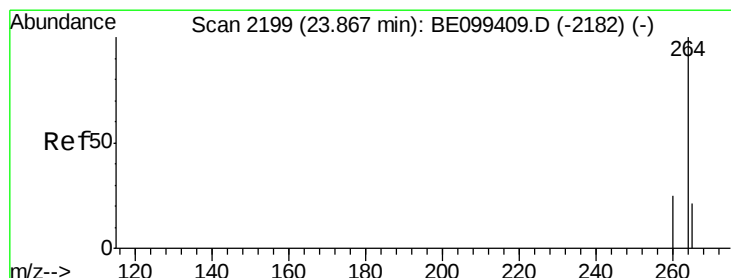
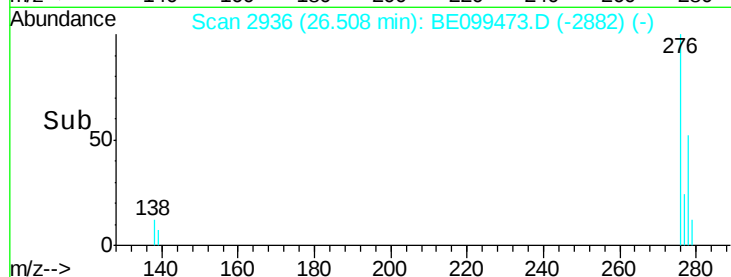
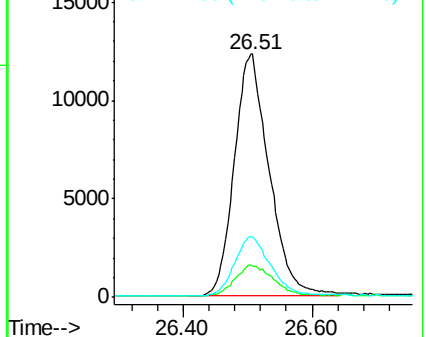
276 100

138 13.5 10.2 15.2

277 24.8 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.86 min Scan# 2198

Delta R.T. -0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

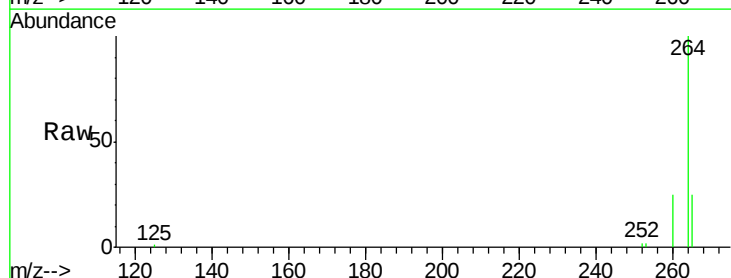
Tgt Ion:264 Resp: 32622

Ion Ratio Lower Upper

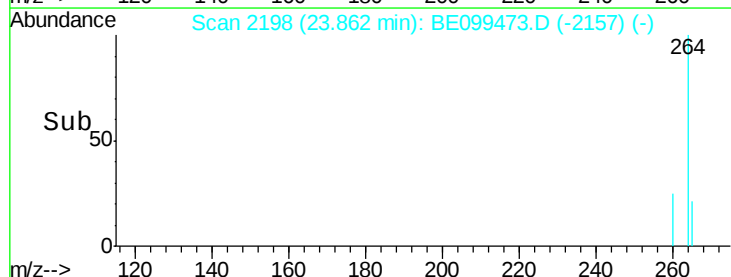
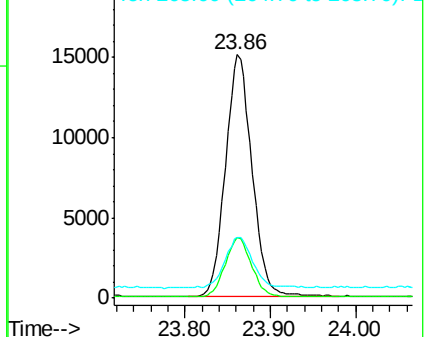
264 100

260 25.0 20.2 30.2

265 25.1 21.3 31.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

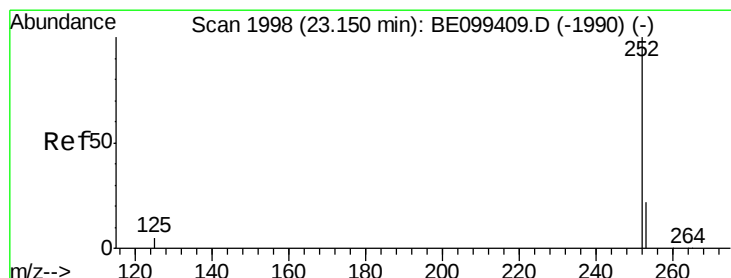
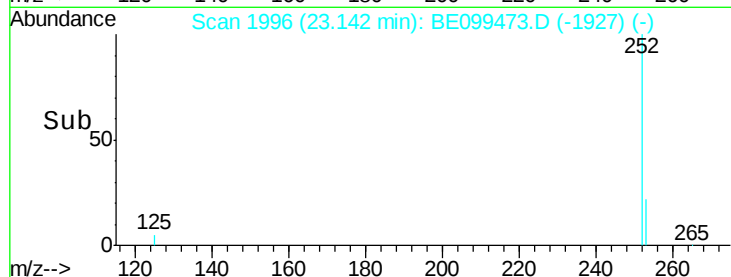
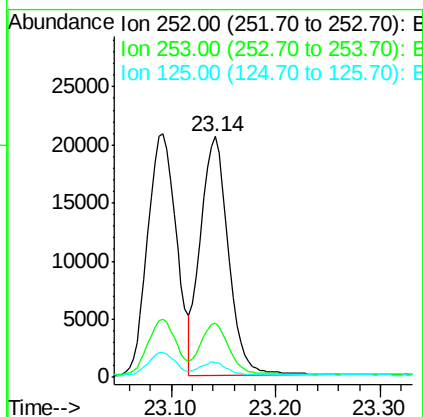
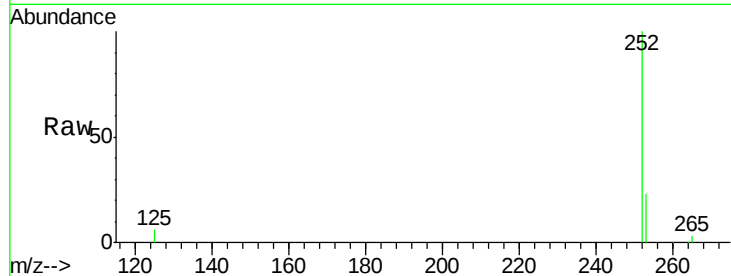




#35
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 23.14 min Scan# 1996
Delta R.T. 0.05 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

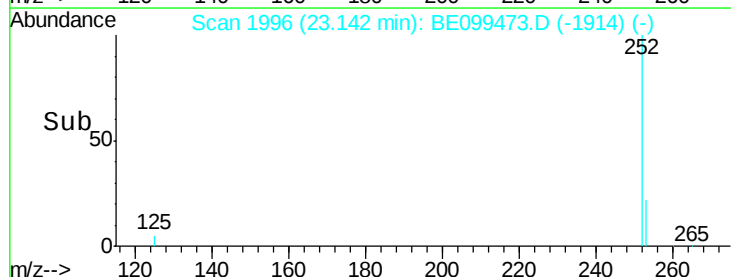
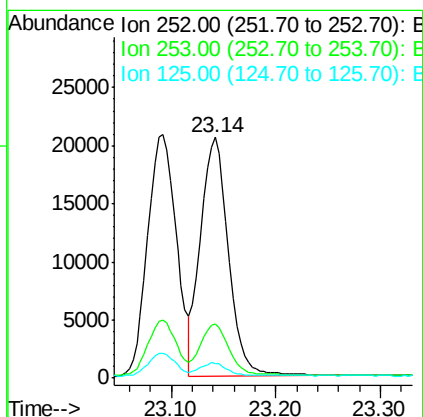
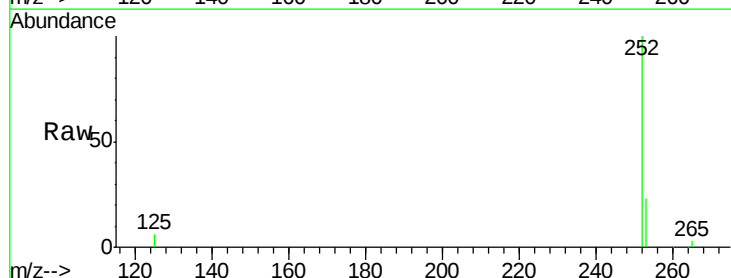
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

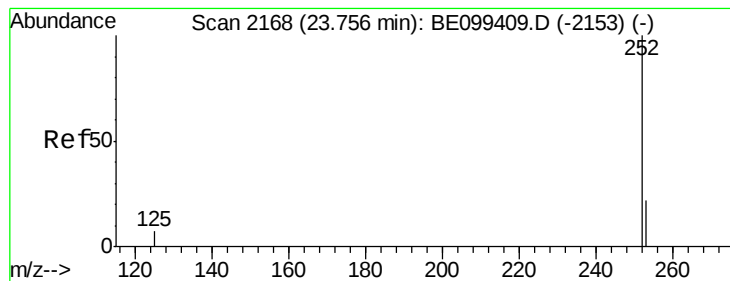
Tot Ion:252 Resp: 38252
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 6.0 5.6 8.4



#36
Benzo(k)fluoranthene
Concen: 0.422 ng
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099473.D
Acq: 1 May 2019 21:23

Tgt Ion:252 Resp: 38252
Ion Ratio Lower Upper
252 100
253 22.7 18.4 27.6
125 6.0 5.0 7.4





#37

Benzo(a)pyrene

Concen: 0.424 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

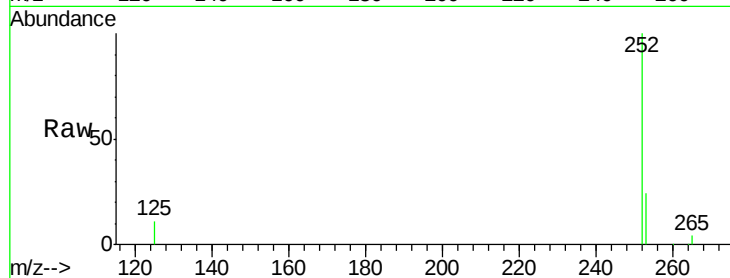
Tot Ion:252 Resp: 37677

Ion Ratio Lower Upper

252 100

253 24.1 18.9 28.3

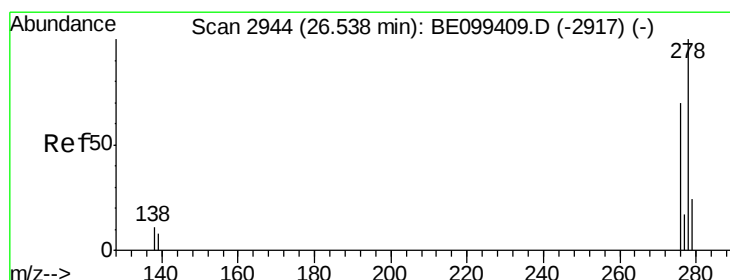
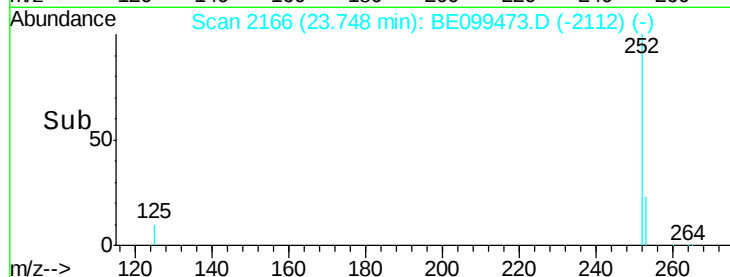
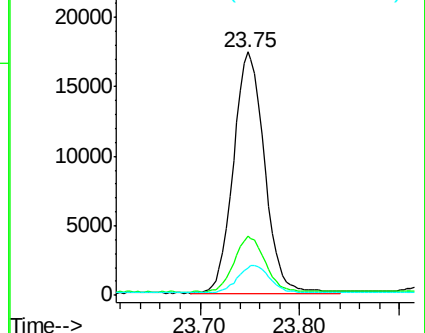
125 11.4 6.7 10.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.419 ng

RT: 26.54 min Scan# 2944

Delta R.T. -0.00 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

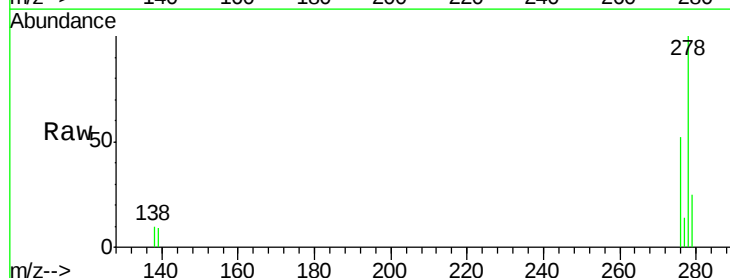
Tgt Ion:278 Resp: 38093

Ion Ratio Lower Upper

278 100

139 9.2 7.7 11.5

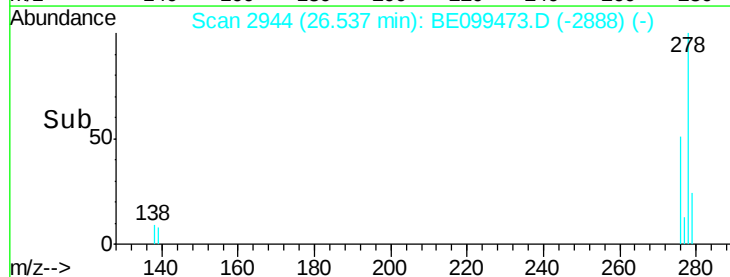
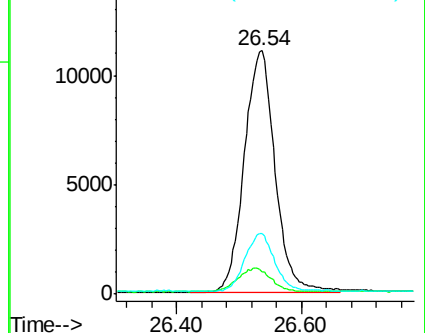
279 25.0 20.2 30.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.419 ng

RT: 27.33 min Scan# 3165

Delta R.T. -0.01 min

Lab File: BE099473.D

Acq: 1 May 2019 21:23

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

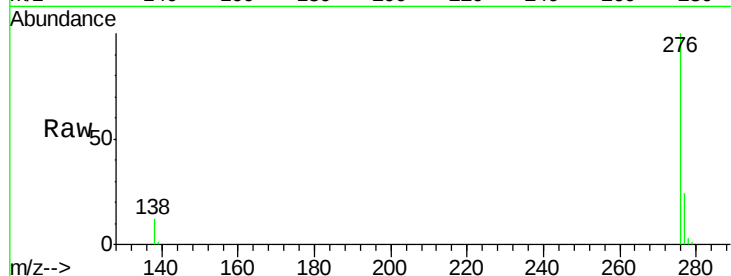
Tot Ion:276 Resp: 38175

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 11.9 9.6 14.4



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

